



# FY 2015 NSF Funding

**National Science Foundation**  
**FY 2015 Enacted by Appropriations Account**  
(Dollars in Millions)

	FY 2014 Enacted	FY 2015 Request	FY 2015 Enacted	FY 2015 Enacted over:			
				FY 2014 Enacted		FY 2015 Request	
				Amount	Percent	Amount	Percent
<b>Research &amp; Related Activities</b>	\$5,801.63	\$5,807.46	\$5,933.65	\$132.01	2.3%	\$126.19	2.2%
<b>Education &amp; Human Resources</b>	\$845.44	\$889.75	\$866.00	\$20.56	2.4%	-\$23.75	-2.7%
<b>Major Research Equipment &amp; Facilities Construction</b>	\$200.00	\$200.76	\$200.76	\$0.76	0.4%	-	-
<b>Agency Operations &amp; Award Management</b>	\$306.26	\$338.23	\$325.00	\$18.74	6.1%	-\$13.23	-3.9%
<b>National Science Board</b>	\$4.30	\$4.37	\$4.37	\$0.07	1.6%	-	-
<b>Office of Inspector General</b>	\$14.28	\$14.43	\$14.43	\$0.15	1.0%	-	-
<b>Total, NSF</b>	<b>\$7,171.92</b>	<b>\$7,255.00</b>	<b>\$7,344.21</b>	<b>\$172.29</b>	<b>2.4%</b>	<b>\$89.20</b>	<b>1.2%</b>

Totals may not add due to rounding.



# FY 2016 NSF Budget Request

## NSF Budget by Appropriation

*(Dollars in Millions)*

	FY 2016 Request	Change over FY 2015	
		Amount	Percent
Research & Related Activities	\$6,186.30	\$252.66	4.3%
Education & Human Resources	962.57	96.57	11.2%
Major Research Equipment & Facilities Construction	200.31	-0.45	-0.2%
Agency Operations & Award Management	354.84	29.84	9.2%
National Science Board	4.37	*	*
Office of Inspector General	15.16	0.73	5.1%
<b>Total NSF</b>	<b>\$7,723.55</b>	<b>\$379.34</b>	<b>5.2%</b>

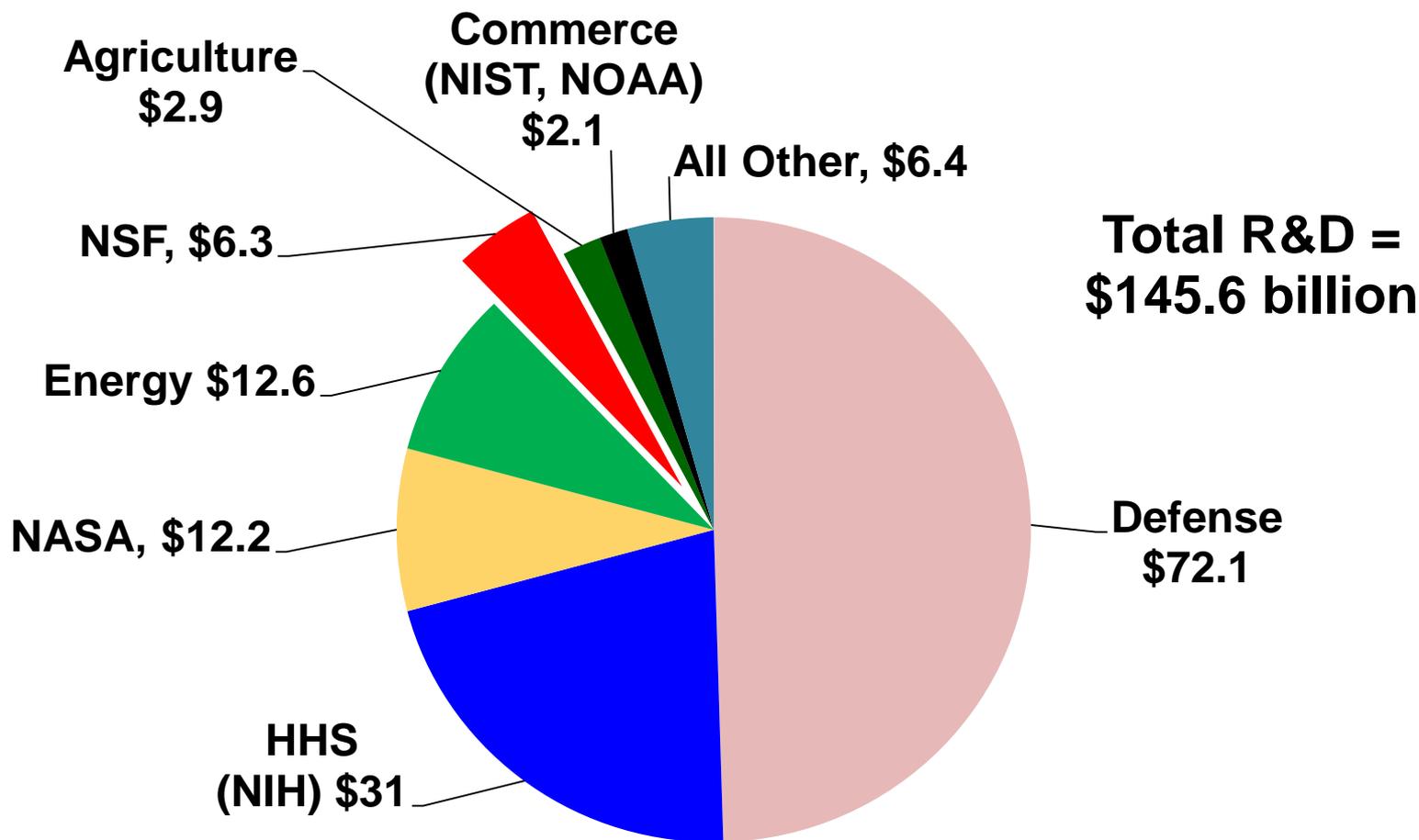
Totals may not add due to rounding.

\* Denotes <\$500,000.



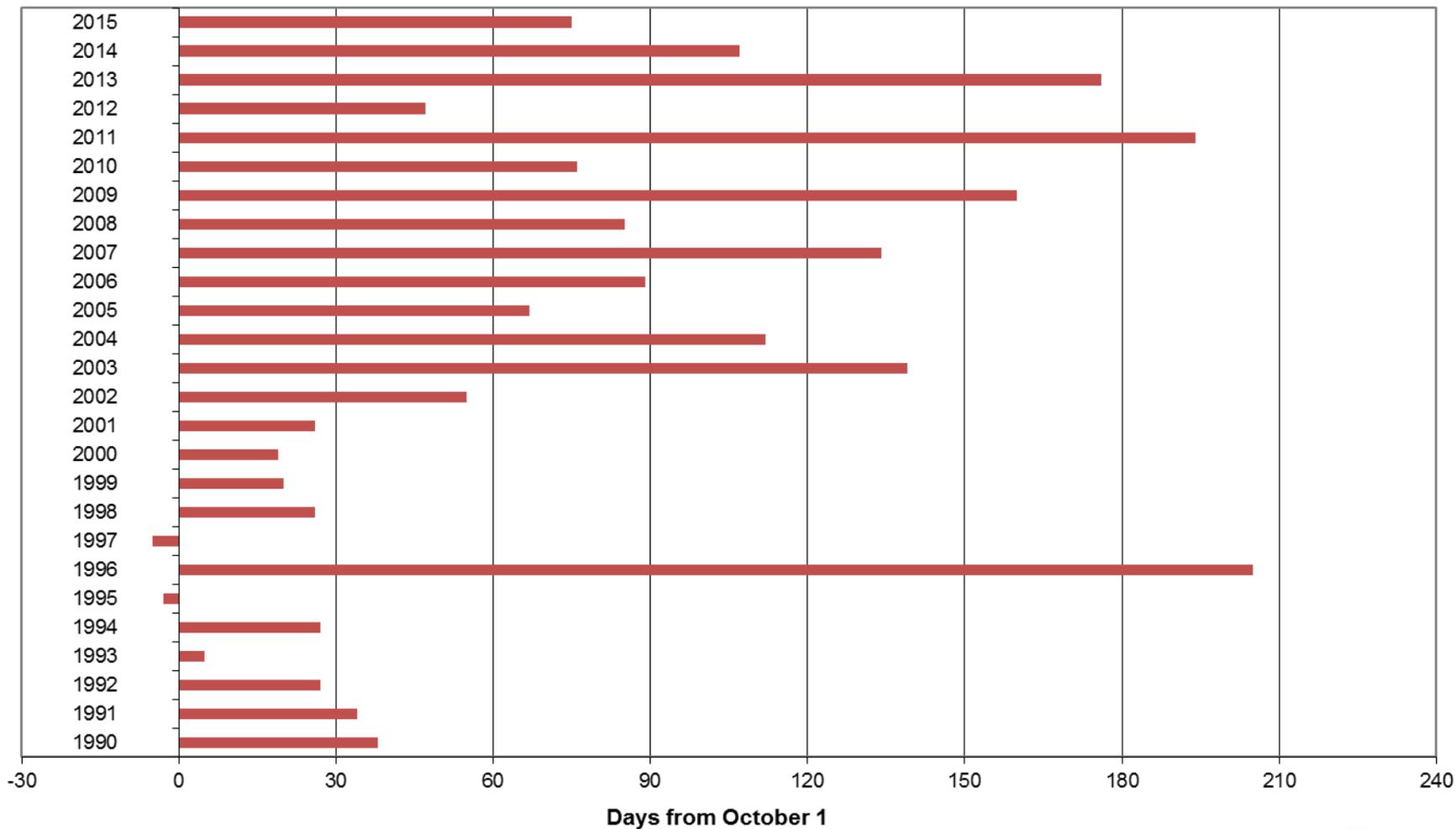
# FY 2016 Request: Total R&D by Agency

Budget Authority in Billions of Dollars



# Appropriations Drift - 1990 to 2015

NSF Appropriations Dates versus Start of Federal Fiscal Year Oct. 1



# Overall FY 2016 Landscape

- Discretionary Caps
- Reauthorization
- Appropriations
- Next Steps



# Discretionary Caps

## Defense and Non-Defense Discretionary Caps (billions of dollars)

	2014	2015	2016	2016 Pres
Defense	520	521	523	561
Non-Defense	492	492	493	530
<b>Total</b>	<b>1,012</b>	<b>1,013</b>	<b>1,016</b>	<b>1,091</b>

Totals may not add due to rounding.

“...I’m not going to accept a budget that locks in sequestration going forward.”  
-President Obama, February 2, 2015



# FY 2016 House Reauthorization: NSF Accounts

## National Science Foundation

FY 2015 Enacted and FY 2016 Request to Congress compared with FY16 House America COMPETES

(Dollars in Millions)

NSF by Account	FY 2015 Enacted	FY 2016 Request	FY 2016 House Reauth	FY 16 Reauthorization over:			
				FY 2015 Enacted		FY 2016 Request	
				Amt	Pct	Amt	Pct
Research & Related Activities	\$5,934	\$6,186	\$6,186	\$253	4.3%	-	-
Education & Human Resources	\$866	\$963	\$866	-	-	-\$97	-10.0%
Major Research Equipment and Facilities Construction	\$201	\$200	\$200	-\$0	-0.2%	-	-
Agency Operations and Award Management	\$325	\$355	\$325	-	-	-\$30	-8.4%
National Science Board	\$4	\$4	\$4	-	-	-	-
Office of Inspector General	\$14	\$15	\$15	\$1	5.1%	-	-
<b>Total, NSF</b>	<b>\$7,344</b>	<b>\$7,724</b>	<b>\$7,597</b>	<b>\$253</b>	<b>3.4%</b>	<b>-\$126</b>	<b>-1.6%</b>

Totals may not add due to rounding.



# FY 2016 House Reauthorization: Research and Related Activities

## Research & Related Activities Account

FY 2015 Enacted and FY 2016 Request to Congress compared with FY 16 House America COMPETES

(Dollars in Millions)

Activity	FY 2015 Enacted	FY 2016 Request	FY 2016 House Reauth	FY 16 Reauthorization over:			
				FY 2015 Enacted		FY 2016 Request	
				Amt	Pct	Amt	Pct
BIO	\$731	\$748	\$835	\$104	14.2%	\$87	11.6%
CISE	\$922	\$954	\$1,050	\$128	13.9%	\$96	10.0%
ENG	\$892	\$949	\$1,034	\$142	15.9%	\$85	8.9%
GEO	\$1,304	\$1,365	\$1,200	-\$104	-8.0%	-\$165	-12.1%
MPS	\$1,337	\$1,366	\$1,500	\$163	12.2%	\$134	9.8%
SBE	\$272	\$291	\$150	-\$122	-44.9%	-\$141	-48.5%
<i>SBE Programs</i>	\$221	\$237	\$100	-\$121	-54.8%	-\$137	-57.8%
<i>NCSES</i>	\$51	\$54	\$50	-\$1	-1.5%	-\$4	-7.9%
OISE	\$49	\$51	\$39	-\$10	-20.6%	-\$13	-24.5%
IA	\$425	\$459	\$378	-\$48	-11.2%	-\$82	-17.8%
<i>IA Programs</i>	\$266	\$289	\$210	-\$55	-20.8%	-\$79	-27.3%
<i>EPSCoR</i>	\$160	\$170	\$167	\$8	4.7%	-\$3	-1.6%
U.S. Arctic Research Commission	\$1	\$1	\$1	\$0	5.0%	-	-
<b>Research &amp; Related Activities</b>	<b>\$5,934</b>	<b>\$6,186</b>	<b>\$6,186</b>	<b>\$253</b>	<b>4.3%</b>	<b>-</b>	<b>-</b>

Totals may not add due to rounding.



# FY 2016 Budget Action to Date

## National Science Foundation FY 2016 Request to Congress versus House Subcommittee Mark (Dollars in Millions)

NSF by Account	FY 2015 Enacted	FY 2016 Request	FY 2016 House Mark	FY 2016 House Mark over:			
				FY 2015 Enacted		FY 2016 Request	
				Amount	Percent	Amount	Percent
Research & Related Activities	\$5,933.65	\$6,186.30	\$5,983.65	\$50.00	0.8%	-\$202.66	-3.3%
Education & Human Resources	866.00	962.57	866.00	-	-	-96.57	-10.0%
Major Research Equipment and Facilities Construction	200.76	200.31	200.03	-0.73	-0.4%	-0.28	-0.1%
Agency Operations and Award Management	325.00	354.84	325.00	-	-	-29.84	-8.4%
National Science Board	4.37	4.37	4.37	-	-	-	-
Office of Inspector General	14.43	15.16	15.16	0.73	5.1%	-	-
<b>Total, NSF</b>	<b>\$7,344.21</b>	<b>\$7,723.55</b>	<b>\$7,394.21</b>	<b>\$50.00</b>	<b>0.7%</b>	<b>-\$329.35</b>	<b>-4.3%</b>

Totals may not add due to rounding.

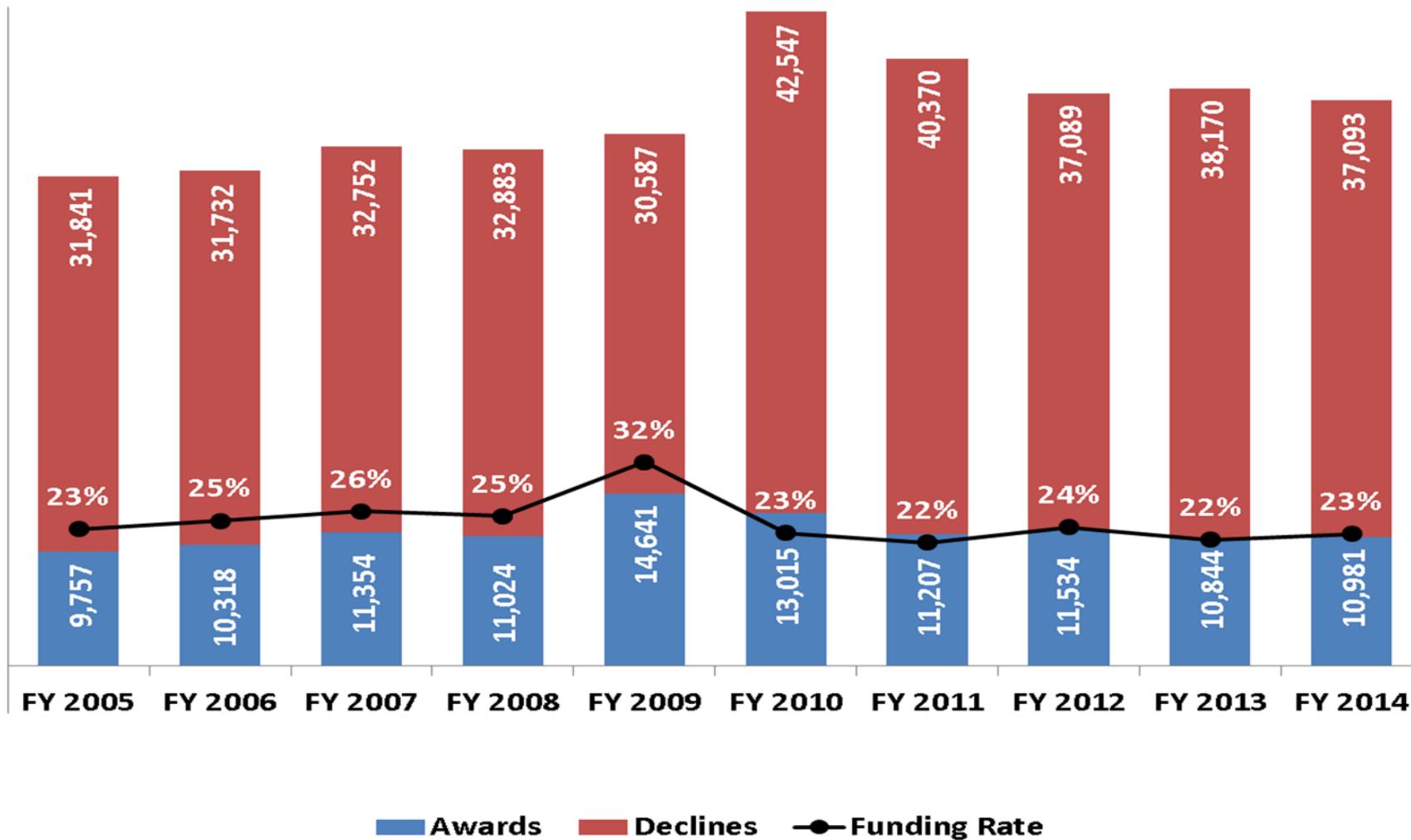


# Next Steps

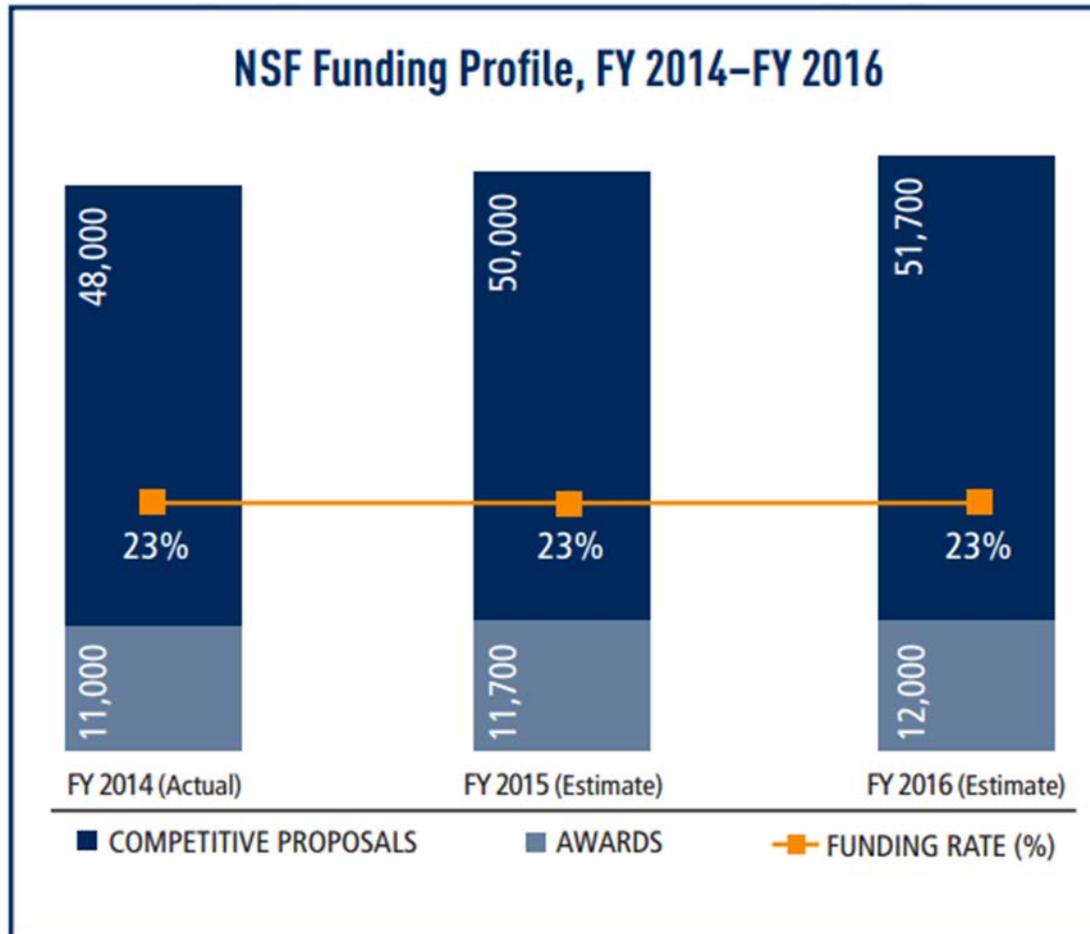
- **Appropriations**
  - House Approps Committee action expected this week
- **Reauthorization**
  - House Floor action expected this week
  - Senate Companion?
  - Conference, etc.?
- **Issues to watch**
  - Alignment of Appropriations with Reauthorization
  - Level of focus on caps



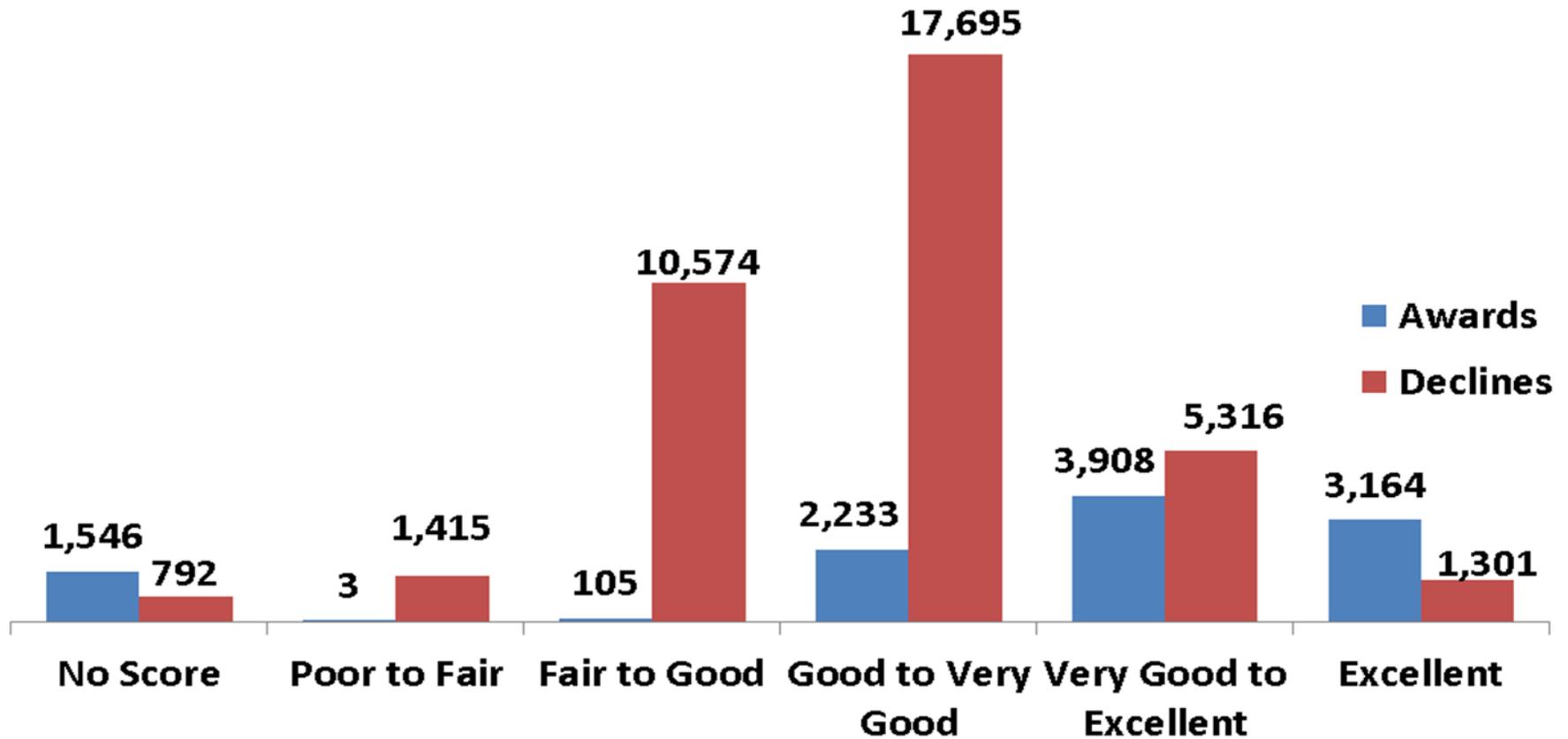
# NSF Competitive Awards, Declines & Funding Rates



# NSF Funding Profile, FY 2014 - 2016

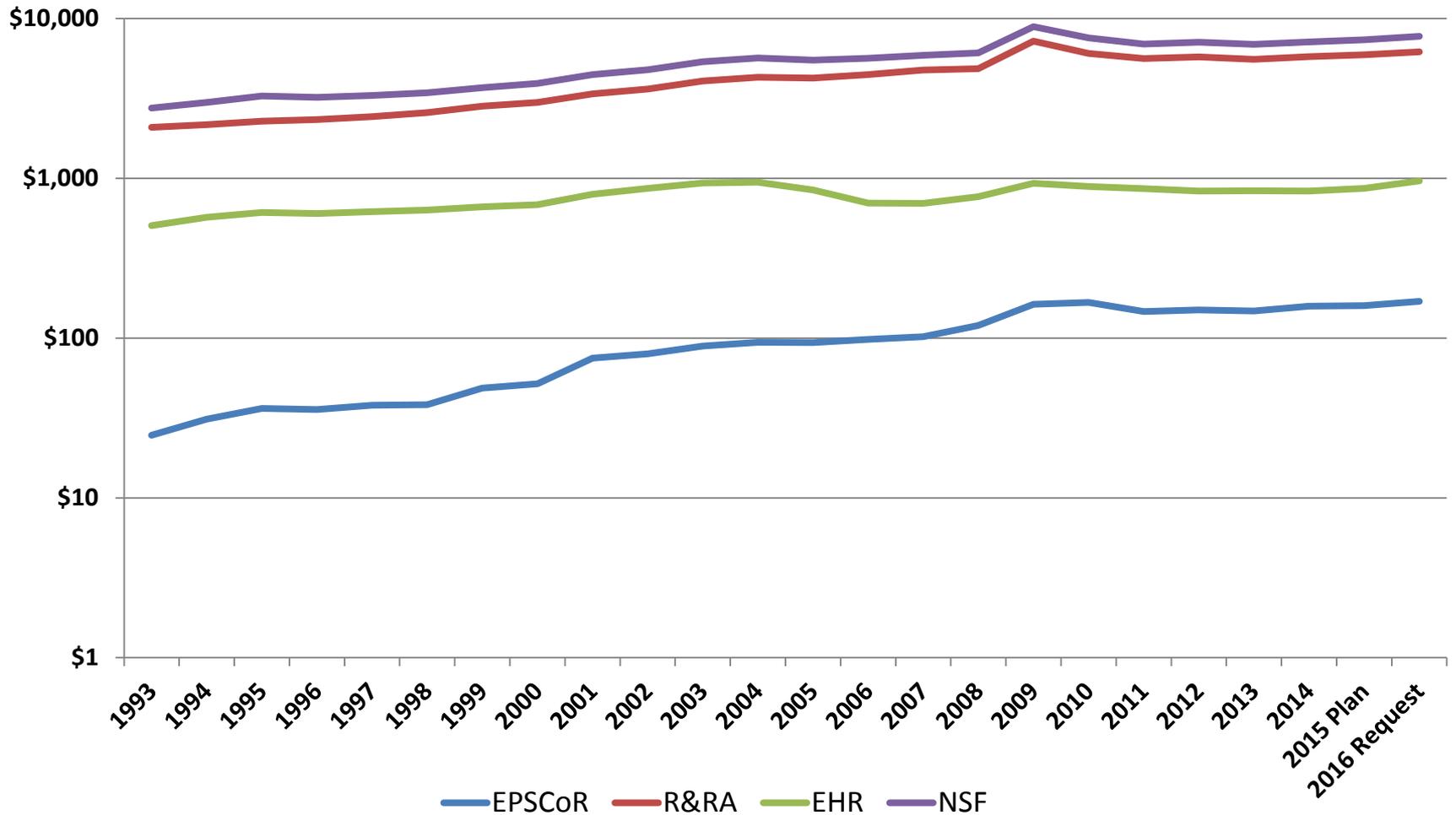


# Distribution by Average Reviewer Ratings for Awards and Declines, FY 2014



\$ in Mil  
(log)

## EPSCoR Funding Over Time Compared to NSF, R&RA and EHR



# Additional Slide for Consideration



# Success Rates by Directorate

	<b>FY2014 Proposals</b>	<b>FY2014 Awards</b>	<b>Success Rate FY14</b>
<b>BIO</b>	<b>3,829</b>	<b>945</b>	<b>25%</b>
<b>CSE</b>	<b>7,094</b>	<b>1,407</b>	<b>20%</b>
<b>ENG</b>	<b>9,259</b>	<b>1,502</b>	<b>16%</b>
<b>GEO</b>	<b>5,302</b>	<b>1,265</b>	<b>24%</b>
<b>MPS</b>	<b>7,732</b>	<b>1,854</b>	<b>24%</b>
<b>SBE</b>	<b>3,203</b>	<b>618</b>	<b>19%</b>



# Proposal & Awards Trends FY 2002 – FY 2014

## Competing factors

Research Proposals: up 54%

Research Awards: up 18%

Research Award success rate: (FY 2002: 26% , FY 2014:  
20%)

## Research Proposals 12-14 cf. 02-04

PIs applying: up 27%

PIs awarded: up 16%

PIs not funded: up 34%

PIs not funded in FY 2012-14: 64%

